Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
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Grade level: 6  
Course Title: Computers  
Topic/Concept: Microsoft Word (Mini Lessons)  
Time Allotment: 5 sessions  
Unit Sequence: 3

### Major Concepts to be learned:

| 1. | Students will learn and review the main tabs in the Microsoft Ribbon |
| 2. | Students will learn and review the main buttons within the home, insert, and review tabs |

### Expected Skills to be demonstrated:

| 1. | Knowledge and efficient use of the copy/cut/paste, format painter, bulleted/numbered list, alignment, line spacing, borders, sorting, and find and replace features in the home tab of the Word Ribbon |
| 2. | Knowledge and efficient use of the header/footer, page number, and symbols features in the insert tab of the Word Ribbon |
| 3. | Knowledge and efficient use of the spelling/grammar, dictionary, and thesaurus features in the review tab of the Word Ribbon |

### PA Standards/Anchors:

| PA Standard 3.6.4 C  
PA Standard 3.6.4 D | Eligible Content: |
|---------------------|-------------------|
|                     | • Explain and demonstrate the basic use of input and output devices  
|                     | • Apply basic word processing skills |

### Instructional Strategies:

| Individualized Lessons  
Guided Practice at the Computer  
Whole Group Lesson using the Smartboard | Assessments: |
|--------------------------------------|----------------|
|                                      | • Group Lesson Plan  
|                                      | • Group Lesson Presentation  
|                                      | • Mini Lesson Quiz |

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Grade level: ____ 6 ____  
Course Title: ___Computers___  
Topic/Concept: ___Publishing Storybook___

Time Allotment: 2 sessions  
Unit Sequence: ______ 5

Major Concepts to be learned:

1. Students will learn how to publish a piece of writing into a book template
2. Students will learn how to edit the template to personalize their writing
3. Students will illustrate their published stories using a variety of text wrapping features

Expected Skills to be demonstrated:

1. Ability to type and illustrate a personal piece of writing
2. Ability to personalize a template by adjusting font, adding page borders, and text wrapping pictures
3. Ability to print a 2-sided document by adjusting the printing properties

PA Standards/Anchors:  
PA Standard 3.6.4 C  
PA Standard 3.6.4 D

Eligible Content:

- Explain and demonstrate the basic use of input and output
- Apply basic word processing skills

Instructional Strategies:

Teacher Demonstration on the Smartboard  
Student Interaction Using Smartboard  
Guided Student Practice on Computers  
Independent Student Practice on Computers

Assessments:

- Computer Based Project (Rubric Graded)
- Teacher Observation
Grade level: 6  
Course Title: Computers  
Topic/Concept: Photostory  
Time Allotment: 5 sessions  
Unit Sequence: 6

Major Concepts to be learned:
1. Students will learn how to use a digital camera to collect a series of photos that tells a story
2. Students will learn how to use the photostory software to set up and narrate the story
3. Students will learn how to add transitions, titles, effects, and background music to a photostory project

Expected Skills to be demonstrated:
1. Ability to operate a digital camera and take a series of clear photographs
2. Knowledge of and ability to use the photostory software to insert and narrate (using a microphone) a project
3. Ability to add transitions, sound, titles, and effects to improve the project
4. Ability to present a project using the Smartboard

PA Standards/Anchors:
PA Standard 3.6.4 B
PA Standard 3.6.4 C
PA Standard 3.6.4 D

Eligible Content:
- Identify electronic communication methods that exist in a community
- Describe appropriate image generating techniques
- Explain and demonstrate the use of internal and external storage devices

Instructional Strategies:
Teacher Demonstration on the Smartboard
Guided Student Practice on Computers
Independent Student Practice on Computers

Assessments:
- Computer Based Group Project (Rubric Graded)
- Teacher Observation

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<table>
<thead>
<tr>
<th>Grade level:</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Title:</td>
<td>Computers</td>
</tr>
<tr>
<td>Topic/Concept:</td>
<td>Final Project (Excel)</td>
</tr>
<tr>
<td>Time Allotment:</td>
<td>2 sessions</td>
</tr>
<tr>
<td>Unit Sequence:</td>
<td>9</td>
</tr>
</tbody>
</table>

### Major Concepts to be learned:

1. Ability to compile and graph data collected through an online discussion board

### Expected Skills to be demonstrated:

1. Ability to add and format data in an Excel document
2. Ability to create two different graphs representing the same data using various sheets of an Excel Workbook
3. Ability to personalize the graphs using the chart tools features and add clip art to illustrate their survey question

### PA Standards/Anchors:

- PA Standard 3.6.4 B
- PA Standard 3.6.4 C
- PA Standard 3.6.4 D
- PA Standard 3.6.4 E

### Eligible Content:

- Identify and use simple graphics and presentation graphic materials generated by the computer
- Explain and demonstrate the basic use of input and output devices
- Identify graphic reproduction methods
- Use On-line searches to answer age appropriate questions

### Instructional Strategies:

- Teacher Demonstration on the Smartboard
- Guided Student Practice on Computers
- Independent Student Practice on Computers

### Assessments:

- Teacher Observation
- Computer Based Project (Graded with Rubric)
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<table>
<thead>
<tr>
<th>Grade level:</th>
<th>Course Title: Computers</th>
<th>Topic/Concept: Final Project (Powerpoint)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Allotment: 2 sessions</td>
<td></td>
<td>Unit Sequence: 10</td>
</tr>
</tbody>
</table>

Major Concepts to be learned:

1. Students will learn how to present results of their online discussion board survey using PowerPoint
2. Students will hyperlink their Excel document to provide the data for their presentation

Expected Skills to be demonstrated:

1. Ability to add and edit slides in a PowerPoint presentation
2. Ability to add clip art, sound, animations, hyperlinks, and custom animation to a PowerPoint presentation
3. Ability to format the font to improve the overall look of the presentation

PA Standards/Anchors:

<table>
<thead>
<tr>
<th>PA Standard 3.6.4 B</th>
<th>PA Standard 3.6.4 D</th>
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</table>

Eligible Content:

- Teacher Observation
- Computer Based Project (Graded with Rubric)

Instructional Strategies:

- Teacher Demonstration on the Smartboard
- Guided Student Practice on Computers
- Independent Student Practice on Computers

Assessments:
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